REMARKS/ARGUMENTS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 10-19 are pending in the present application. Claims 1-9 have been canceled and Claims 10-19 have been added by the present amendment.

In the outstanding Office Action, Claims 1-9 were rejected under 35 U.S.C. § 112, second paragraph; and Claims 1-9 were rejected under 35 U.S.C. § 102(e) as anticipated by Eroz et al. (herein "Eroz").

With regard to the rejection under 35 U.S.C. § 112, second paragraph, new Claims 10-19 have been added that particularly point out and distinctly claim the subject matter regarded as the claimed invention. Thus, Claims 10-19 are believed to be in compliance with the requirements of the statute. In addition, Claims 10 and 11 find support in the specification as originally filed, for example, at page 12, line 17 to page 15, line 6. Further, Claims 12-19, which correspond to Claims 2-9, are placed in a better form. No new matter is added thereby.

Claims 1-9 stand rejected under 35 U.S.C. § 102(e) as anticipated by Eroz. This rejection is respectfully traversed in terms of new Claims 10-19.

Claim 10 is directed to a digital transmission method of an error correction coding that includes *inter alia* selecting dynamically, as a function of a dynamic transmission condition parameter, a distribution of elementary coding step redundancies from a plurality of distributions of elementary coding step redundancies for which a global efficiency is equal to a predetermined target efficiency, and performing a coding procedure including two elementary coding steps each adding a redundancy by utilizing the selected distribution of elementary coding step redundancies, to a useful information item to generate a coded information item with a predetermined redundancy.

By providing such digital transmission method, a redundancy that is added to useful information is dynamically adjusted thereby achieving a constant efficient transmission of useful information with the redundancy over a communication channel (see specification, page 8, lines 25-27 and page 14, lines 7-11).

On the contrary, Eroz discloses steps to produce Turbo Codes optimized for rate 1/2 and 1/3. Eroz also states that rate 1/4 can be determined. In particular, Eroz discloses forming of all possible 1/2 and 1/3 rate Turbo Codes from which a universal code pair is selected that possesses a best overall relative Bit Error Rate (BER). The universal code pair is then used to encode data using first and second encoders and an interleaver feeding bits into the second encoder (see column 8, lines 19-57). Eroz discloses the Turbo Codes (for rate 1/2 and 1/3) that are generated to be compatible with the physical channel. Specifically, the payload (capacity) of the physical channel is known before generating a Turbo Code and based on the capacity, a certain puncturing pattern is used to generate the Turbo Code that has a code rate compatible (matching) with the capacity of the physical channel (see column 19, lines 61-67). In addition, Eroz is able to adjust the code rate based on dynamic traffic management consideration and QoS (see column 20, lines 1-37). However, Eroz is not believed to select a redundancy distribution from a plurality of redundancy distributions for which a global efficiency is equal to a predetermined target efficiency. Thus, Eroz is not believed to be able to achieve a constant transmission efficiency of data.

Accordingly, it is respectfully submitted that independent Claim 10 and each of the claims depending therefrom define over the cited art.

In addition, the abstract has been amended to better reflect the claimed invention and the specification has been amended to correct grammatical and spelling errors.

In view of the amendments and discussions presented above, Applicants respectfully submit that the present application is in condition for allowance, and an early action favorable to that effect is earnestly solicited.

Respectfully submitted,

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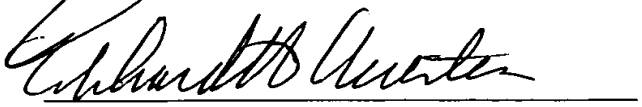

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